

Purchase Order Receipt Listing

Friday, November 27, 2015 10:20:26 AM

All amounts are calculated in domestic currency.

All Vendors PO ID PO30542 All Receipt Dates All Line Item Types
All Item ID/GL/WOs All Rec. Employees All Currencies
Grouped by Vendor ID

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
Vendor ID \ Vendor Name VC-COP001 Thyssenkrupp Materials CA Ltd											
PO30542	2		M303R0.375	f	11/30/2015	11/27/2015	12.0000	\$2.23	0.0000	0	\$26.77
CAD	No		303 Round Bar 0.375"	f	12.0000	DCUSER		\$26.77	0.0000	0	
			m133699								
	3		M303R0.750	f	11/30/2015	11/27/2015	96.0000	\$2.32	0.0000	0	\$222.47
	No		303 Round Bar 0.750"	f	96.0000	DCUSER		\$222.47	0.0000	0	
			m133699								
	4		M304R4.000	f	11/30/2015	11/27/2015	12.0000	\$4.38	0.0000	0	\$52.62
	No		304 round bar 1.00"	f	12.0000	DCUSER		\$52.62	0.0000	0	
			m133699								
	5		M6061T6B0.250X06.000	f	11/30/2015	11/27/2015	24.0000	\$2.95	0.0000	0	\$70.71
	No		6061-T6 Bar .250 x 6.00"	f	24.0000	DCUSER		\$70.71	0.0000	0	
			m133699								
	6		M6061T6B0.500X10.000	f	11/30/2015	11/27/2015	12.0000	\$9.73	0.0000	0	\$116.75
	No		6061-T6 Bar .500 x 10.00"	f	12.0000	DCUSER		\$116.75	0.0000	0	
			m133699								
	7		M6061T6B1.250X01.250	f	11/30/2015	11/27/2015	12.0000	\$3.01	0.0000	0	\$36.18
	No		6061-T6 Bar 1.25 x 1.25"	f	12.0000	DCUSER		\$36.18	0.0000	0	
			m133699								
	8		M6061T6B4.500X4.500	f	11/30/2015	11/27/2015	8.0000	\$48.94	0.0000	0	\$391.55
	No		6061-T6 Aluminum Bar 4.500" X 4.500"	f	8.0000	DCUSER		\$391.55	0.0000	0	
			m133699								

Purchase Order ID/ Curr Type	Line Nbr/ Insp	Vendor Name	Project ID	Reference/ Description/ Cert Std	PO U/M/ Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MIRB Qty/ MIRB Reject Qty	Book Amt
VC-COP001 Thyssenkrupp Materials CA Ltd												
PO30542	9			M6061T6R0.750 f	f	11/30/2015	11/27/2015	24.0000	\$1.12	0.0000	0	\$26.77
CAD	No			6061-T6 Round Bar .750" m133699	f	24.0000	DCUSER		\$26.77	0.0000	0	
	10			M6061T6R1.000 f	f	11/30/2015	11/27/2015	12.0000	\$2.23	0.0000	0	\$26.77
	No			ROUND BAR 1.00" m133699	f	12.0000	DCUSER		\$26.77	0.0000	0	
	12			M6061T6S.090 sf	sf	11/30/2015	11/27/2015	48.0000	\$3.40	0.0000	0	\$163.28
	No			6061-T6 .090 Sheet m133699	sf	48.0000	DCUSER		\$163.28	0.0000	0	
	17			M6061T6B30000X01 f	f	11/30/2015	11/27/2015	12.0000	\$9.03	0.0000	0	\$108.41
	No			6061-T6 Bar 3.00 x 1.50 m133699	f	12.0000	DCUSER		\$108.41	0.0000	0	
	18			M6061T6B1.000X02 f	f	11/30/2015	11/27/2015	12.0000	\$4.53	0.0000	0	\$54.34
	No			6061-T6 Bar 1.00 x 2.00 m133699	f	12.0000	DCUSER		\$54.34	0.0000	0	
	19			M6061T6R3.000 f	f	11/30/2015	11/27/2015	12.0000	\$14.91	0.0000	0	\$178.96
	No			6061-T6 RD BAR 3.00" m133699	f	12.0000	DCUSER		\$178.96	0.0000	0	
	20			71401-45		11/30/2015	11/27/2015	1.0000	\$0.00	0.0000	0	\$0.00
	No			PROCUREMENT QUALITY CLAUSES m133699		1.0000	DCUSER		\$0.00	0.0000	0	
										Total Received Quantity:		
										Total Qty to Inspect (PO U/M):		
										Total Reject Quantity:		
										Total Receipt Value:		
										Total Balance Due Quantity:		
										297.0000		
										0.0000		
										0.0000		
										\$1,475.56		
										0.0000		

JC 0 ARR

029

B I L L O F L A D I N G

Ship From:
THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033

No: PEC 966164
Ship Date 26Nov15 at 11:31 From PFW
Probill
Via VIM DELIVERY
FOB CONCORD
Frt PREPAID
Route 0- 0 Manifest
Vhcle Trailer
Slp STAN IVERS (905-532-1350)
Sold To: (20115)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7

Ship To: (1)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7
Tel: 613-632-9577 Fax: 613-632-1053

B I L L O F L A D I N G

1) Our Order PEC-871532- 1 Your PO # 30542
STAINLESS STEEL ROUND BAR 303 STAINLESS
.375" DIA X 144.0000"

Heat Number Tag No
W2X1 478988

Quantity PCS Wt LBS
12 FT 1 5

MTR

2) Our Order PEC-871532- 2 Your PO # 30542
STAINLESS STEEL ROUND BAR 303 STAINLESS
.750" DIA X 144.0000"

Heat Number Tag No
V2P7 478989
V9E0 478990
Total:

Quantity PCS Wt LBS
84 FT 7 127
12 FT 1 19
96 FT 8 146

MTR

3) Our Order PEC-871532- 3 Your PO # 30542
STAINLESS STEEL ROUND BAR 304H
1.00" DIA X 144.0000"

Heat Number Tag No
W8L5 478991

Quantity PCS Wt LBS
12 FT 1 33

MTR

4) Our Order PEC-871532- 4 Your PO # 30542
ALUMINUM FLAT BAR 6061-T6511
.250" x 6.00" X 144.0000"

Heat Number Tag No
41087-050 478992

Quantity PCS Wt LBS
24 FT 2 42

MTR

5) Our Order PEC-871532- 5 Your PO # 30542
ALUMINUM FLT BAR ECONOPLT 6061-T6511
5.00" X 10.00" X 144.0000"

MTR

Page: 1Continued

SOBUL-27
785

ALUMINIUM • LAITON • CUIVRE • PLASTIQUE • INOX
ALUMINUM • BRASS • COPPER • PLASTIC • STAINLESS

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

Ship From:
THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033

B I L L O F L A D I N G

No: PEC 966164
Ship Date 26Nov15 at 11:31 From PFW
Probill
Via VIM DELIVERY
FOB CONCORD
Frt PREPAID
Route 0- 0 Manifest
Vhcle Trailer
Slp STAN IVERS (905-532-1350)
Sold To: (20115)
DART AEROSPACE

Ship To: (1)
DART AEROSPACE

B I L L O F L A D I N G

Heat Number	Tag No	Quantity	PCS	Wt LBS
Z00191079	478993	12 FT	1	70

6) Our Order PEC-871532- 6 Your PO # 30542
ALUMINUM SQUARE BAR 6061-T6511
1.250" X 144.0000"

Heat Number	Tag No	Quantity	PCS	Wt LBS
Z00240087	478994	12 FT	1	22

MTR

7) Our Order PEC-871532- 7 Your PO # 30542
ALUMINUM SQUARE BAR 6061-T6511
4.50" X 48.0000"

Heat Number	Tag No	Quantity	PCS	Wt LBS
Z00781009	479107	8 FT	2	190

MTR

8) Our Order PEC-871532- 8 Your PO # 30542
ALUMINUM ROUND BAR 6061-T6511
.750" DIA X 144.0000"

Heat Number	Tag No	Quantity	PCS	Wt LBS
104337 3 1-A-1	478995	24 FT	2	13

MTR

9) Our Order PEC-871532- 9 Your PO # 30542
ALUMINUM ROUND BAR 6061-T6511
1.00" DIA X 144.0000"

Heat Number	Tag No	Quantity	PCS	Wt LBS
104417 1 1-A-1	478996	12 FT	1	12

MTR

10) Our Order PEC-871532- 10 Your PO # 30542
ALUMINUM SHEET 6061 T6
.0910 Nom X 48.0000" X 144.0000"

Heat Number	Tag No	Quantity	PCS	Wt LBS
84302B2	479083	48.00 SFT	1	60

MTR

Page: 2Continued

8015-11-27
785

ALUMINIUM • LAITON • CUIVRE • PLASTIQUE • ACIER INOX
ALUMINUM • BRASS • COPPER • PLASTICS • STAINLESS

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

REÇU EN BONNE CONDITIONS / RECEIVED IN GOOD CONDITION

DATE

TVQ/QST# 1017327981 TQ001 TPS/GST TVH/HST # 140223934 RT0001

Ship From:
THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033

Ship To: (1)
DART AEROSPACE

B I L L O F L A D I N G
No: PEC 966164
Ship Date 26Nov15 at 11:31 From PFW
Probill
Via VIM DELIVERY
FOB CONCORD
Frnt PREPAID
Route 0- 0 Manifest
Vhcle Trailer
Slp STAN IVERS (905-532-1350)
Sold To: (20115)
DART AEROSPACE

B I L L O F L A D I N G

11) Our Order PEC-871532- 11 Your PO # 30542

ALUMINUM FLAT BAR 6061-T6511

1.50" x 3.00" X 144.0000"

Heat Number
Z00649040

Tag No
478997

Quantity
12 FT

PCS
1

Wt LBS
64

MTR

12) Our Order PEC-871532- 12 Your PO # 30542

ALUMINUM FLAT BAR 6061-T6511

1.00" x 2.00" X 144.0000"

Heat Number
HK104-206

Tag No
478998

Quantity
12 FT

PCS
1

Wt LBS
28

MTR

13) Our Order PEC-871532- 13 Your PO # 30542

ALUMINUM ROUND BAR 6061-T6511

3.00" DIA X 144.0000"

Heat Number
Z00067246

Tag No
478999

Quantity
12 FT

PCS
1

Wt LBS
100

MTR

TOTAL: Tags 14 PCS 23 Wt LBS 785

Heat Number
104337 3 1-A-1
104417 1 1-A-1
41087-050
84302B2
HK104-206
V2P7
V9E0
W2X1
W8L5
Z00191079
Z00240087
Z00649040

*** Chemical Analysis ***

SPS-11-27

Page: 3Continued

ALUMINIUM • LAITON • CUIVRE • PLASTIQUE • ACIER INOX
ALUMINUM • BRASS • COPPER • PLASTICS • STAINLESS

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
RAPPORTÉES IMMÉDIATEMENT.
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Ship From:
THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033

No: PEC 966164
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Slp STAN IVERS (905-532-1350)
Sold To: (20115)
DART AEROSPACE

Ship To: (1)
DART AEROSPACE

=====

B I L L O F L A D I N G

Z00781009

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT
WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR
TO SHIPPING.

ATTN: CHANTAL/LINDA

** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER **
** REFERENCED ON IT **

TOTAL 2 BDLS, 2 SKIDS GW. 1003 LBS

***** CLOSED FOR THE HOLIDAYS *****

ON DEC. 25TH & 28TH, 31ST & JAN. 1ST.

WE ARE OPENED FOR BUSINESS ON DEC. 24, 29 & 30.

HAVE A HAPPY HOLIDAY SEASON!

*CUSTOMER PICK-UP HRS AT THYSSENKRUPP MATERIALS NA
CONCORD, ONT.* *** 9:00 AM TO 4:00 PM ***

**** TEL. 800-926-2600 ****

* WE STOCK STAINLESS STEEL *

* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT *

***PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE
ADDED TO EVERY ORDER.***

Page: 4 Last

ALUMINIUM • LAITON • CUIVRE • PLASTIQUE • ACIER INOX
ALUMINUM • BRASS • COPPER • PLASTICS • STAINLESS

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

REÇU EN BONNE CONDITIONS / RECEIVED IN GOOD CONDITION
TVQ/QST# 1017327981 TQ001 TPS/GST TVH/HST # 140223934 RT0001

DATE

THYSSENKRUPP MATERIALS NA

PART AEROSPACE
STAINLESS STEEL ROUND BAR 303-304-304L
375" DIA X 144.0000"
PART NO

PO/Ref 30542
We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Certificate of Mill Test Results
BL PEC:966164-001
26Nov15
Pg 1/1



740 Imperial Road North

METALLURGICAL TEST REPORT

North American Stainless Canada Inc.
740 Imperial Road North
Guelph, ON N1K1Z3
Canada

Mail To:
THYSSENKRUPP MATERIALS
2821 LANGSTAFF ROAD
CONCORD, ON L4K5C6

Ship To:
THYSSENKRUPP MATERIALS
2821 LANGSTAFF ROAD
CONCORD, ON L4K5C6

Date: 10/14/2015 Page: 1

Steel 303
Finish: CD

Corrosion:

Your Order: PEC269176

NAS Order: PN 0056222 12

PRODUCT DESCRIPTION:

Round Bar, Annealed, Cold Draw
ASTM A582/12 EN 10204 3.1, ASTM A484/11
AMS 5640U TYPE 1, QQS-764B CONDITION A
SOLUTION ANNEAL TEMP 1900F MIN

REMARKS:

COMPLIES W/REQUIREMENTS OF DEAR 252.225-7009 EU DIRECTIVE
2011/65/EU ROHS, EAF+AOB+CC. NO WELD REPAIR. MELTED AND MFG
IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

and 15/11/30

Product Id	Skid #	Diameter	Size	Weight	-----length-----	Mark	Pieces	Commodity Code
BH4336 7		1.3750		1.222	144.00	21	1	

CHEMICAL ANALYSIS

CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan)

Lab Accreditation Bureau, ISO/IEC 17025, Certificate# L2323
Chemical Analysis per ASTM A751/08

HEAT	CM	C %	CO %	CR %	CU %	MN %	MO %	N %	NI %	P %
62X1	US	.0407	.1360	17.1320	.3840	1.8550	.2830	.0421	8.2730	.0300

S % .3590
SI % .5095

MECHANICAL PROPERTIES

Product Id	14 o i c f	HB NO.	.2YS KSI	UTS KSI	RA %	Ring % 2"
BH4336 7	RL	230.0	97.00	110.00	32.00	26.00

My certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the methods used, the material meets the specifications stated. These results relate only to the items and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical Dept. Mgr. *ABHJEET BHAVE*
10/14/2015

THYSSENKRUPP MATERIALS NA

DART AEROSPACE
STAINLESS STEEL ROUND BAR 303 STAINLESS
750" DIA X 144.0000"
PART NO.

PO Ref 30542
We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Certificate of Mill Test Results
BL PEC:966164-002
26 Nov 15
Pg 1/4



METALLURGICAL TEST REPORT

740 Imperial Road North

Certificate: 80687 7

Customer: 007206 001
THYSSENKRUPP MATERIALS
2821 LANGSTAFF ROAD
CONCORD, ON L4K5C6

Ship To:
THYSSENKRUPP MATERIALS
2821 LANGSTAFF ROAD
CONCORD, ON L4K5C6

North American Stainless Canada Inc.
740 Imperial Road North
Guelph, ON N1K1Z3
Canada

Date: 7/28/2015 Page: 1
Steel: 303
Finish: CD

Your Order: PEC268105

NAS Order: PN 0054556 04

Corrosion:

PRODUCT DESCRIPTION:

Round Bar, Annealed, Cold Draw
ASTM A582/12 EN 10204 3.1, ASTM A484/11
AMS 5640U TYPE 1, QQS-764B CONDITION A
SOLUTION ANNEAL TEMP 1900F MIN

REMARKS:

COMPLIES W/REQUIREMENTS OF DEAR 252.225-7009 EU DIRECTIVE
2011/65/EU, ROHS, EAF+AOD+CC. NO WELD REPAIR. MELTED AND MFG
IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

conf 15/11/3b

Product ID	Skid #	Diameter	Size	Weight	Length	Mark	Pieces	Commodity Code
BH3396 2		1.7500		1.104	144.00	7	1	

CHEMICAL ANALYSIS											Lab Accreditation Bureau, ISO/IEC 17025, Certificate# U2323	
CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan)											Chemical Analysis per ASTM A751/08	
HEAT	CM	C %	CO %	CR %	CU %	MN %	MO %	N %	NI %	P %		
V930	US	.0422	.2075	17.0435	.3085	1.8195	.3065	.0458	8.2410	.0285		

S %		SI %	
.3515		.6015	

MECHANICAL PROPERTIES

Product ID	1 d	HB	No.	.2YS	UTS	RA	Elong
	g r			KSI	KSI	%	% 4D
BH3396 2	R L	197.0		85.05	111.10	51.00	42.60

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical Dept. Mgr. *1888*

THYSSENKRUPP MATERIALS NA

PART AEROSPACE
STAINLESS STEEL ROUND BAR 303 STAINLESS
.750" DIA X 144.000"
PART NO.

PO/Ref 30542

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Certificate of Mill Test Results
BL PEC-966164-002
26Nov15
Pg 2/4



740 Imperial Road North

Certificate: 80687 8

Customer: 007206 001
THYSSENKRUPP MATERIALS
2821 LANGSTAFF ROAD
CONCORD, ON L4K5C6

Ship to:

THYSSENKRUPP MATERIALS
2821 LANGSTAFF ROAD
CONCORD, ON L4K5C6

North American Stainless Canada Inc.
740 Imperial Road North
Guelph, ON N1K1Z3
Canada

Date: 7/26/2015 Page: 1

Steel: 303

Finish: CD

Corrosion:

Your Order: PEC268105

NAS Order: PN 0054556 04

PRODUCT DESCRIPTION:

Round Bar, Annealed, Cold Draw
ASTM A582/13 EN 10204 3.1, ASTM A484/11
AMS 5640V TYPE 1, Q88-7648 CONDITION A
SOLUTION ANNEAL TEMP 1900F MIN

REMARKS:

COMPLIES W/REQUIREMENTS OF DPMR 252.225-7009 EU DIRECTIVE
2011/65/EU-ROHS, EAF+AD+CC. NO WELD REPAIR. MELTED AND MFG
IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

Product Id	Slid #	Diameter	Size	Weight	Length	Mark	Pieces	Commodity Code
BH3396 5		.7500	1.104	144.00	8	1		

CHEMICAL ANALYSIS

CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan)
Lab Accreditation Bureau, ISO/IEC 17025, Certificate# L2323
Chemical Analysis per ASTM A751/08

HEAT	CM	C %	CO %	CR %	CU %	MN %	MO %	N %	NI %	P %
V9E0	US	.0422	.2075	17.0435	.3085	1.8195	.3065	.0458	8.2410	.0285
	S %	SI %								
	.3515	.6015								

MECHANICAL PROPERTIES

Product Id	1 d	HB	.2YS	UTS	RA	Elong
	c f	No.	KSI	KSI	%	% AD
BH3396 5	R L	197.0	85.05	111.10	51.00	42.60

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy
of the test methods used, the material meets the specifications stated. These results relate only to the items
tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical

Dept. Mgr.

Handwritten signature

THYSSENKRUPP MATERIALS NA

STAINLESS STEEL ROUND BAR 303 STAINLESS
750" DIA X 144.0000"
PART NO.

P.O./Ref 30542

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Signed by:

Certificate of Mill Test Results
BL PEC-966164-002
26Nov15
Pg 3/4



740 Imperial Road North

Certificate: 80687 9 Mail To:

Customer: 007206 001 THYSSENKRUPP MATERIALS
2821 LANGSTAFF ROAD
CONCORD, ON L4K5C6

Ship To:

THYSSENKRUPP MATERIALS
2821 LANGSTAFF ROAD
CONCORD, ON L4K5C6

North American Stainless Canada Inc.
740 Imperial Road North
Guelph, ON N1K1Z3
Canada

Date: 7/28/2015 Page: 1

Steel: 303

Finish: CD

Corrosion:

Your Order: PEC268105

NAS Order: PM 0054556 04

PRODUCT DESCRIPTION:

Round Bar, Annealed, Cold Draw
ASTM A582/12 EN 10204 3.1, ASTM A484/11
AMS 5640V TYPE 1, QCS-764B CONDITION A
SOLUTION ANNEAL TEMP 1900F MIN

REMARKS:

COMPLIES W/ REQUIREMENTS OF DPAR 252.225-7009 EU DIRECTIVE
2011/65/EU, ROHS, EAF+AOD+CC, NO WELD REPAIR, MELTED AND WFG
IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

of 15/11/20

Product Id	Skid #	Diameter	Size	Weight	Length	Mark	Pieces	Commodity Code
BH3396 6		.7500		1.104	144.00	9	1	

CHEMICAL ANALYSIS

CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan)

Lab Accreditation Bureau, ISO/IEC 17025, Certificate# L2323
Chemical Analysis per ASTM A751/06

HEAT	CM	C %	CO %	CR %	CU %	MN %	MO %	N %	NI %	P %
V9E0	US	.0422	.2075	17.0435	.3085	1.8195	.3065	.0458	8.2410	.0285

S % .3515
SI % .6015

MECHANICAL PROPERTIES

Product Id	1 d o l g z	HB Mo.	.2YS KSI	UTS KSI	RA %	Elong % 4D
BH3396 6	R L	197.0	85.05	111.10	51.00	42.60

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical
Dept. Mgr.

1888

THYSSENKRUPP MATERIALS NA

PO/Rel 30542

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by:

[Signature]

Certificate of Mill Test Results

BL PEC-966164-002

26Nov15
Pg 4/4

THYSSENKRUPP MATERIALS NA
DART AEROSPACE
STAINLESS STEEL ROUND BAR 303 STAINLESS
750" DIA X 144.0000"
PART NO.



METALLURGICAL TEST REPORT

North American Stainless Canada Inc.
740 Imperial Road North
Guelph, ON N1K1Z3
Canada

740 Imperial Road North

Certificate: 80687 10

Customer: 007206 001

THYSSENKRUPP MATERIALS
2821 LANGSTAFF ROAD
CONCORD, ON L4K5C6

Ship To:
THYSSENKRUPP MATERIALS
2821 LANGSTAFF ROAD
CONCORD, ON L4K5C6

Date: 7/28/2015 Page: 1

Steel 303

Finish: CD

Corrosion:

Your Order: PEC268105

NAS Order: PN 0054556 04

PRODUCT DESCRIPTION:

Round Bar, Annealed, Cold Draw
ASTM A582/12 EN 10204 3.1, ASTM A484/11
AMS 5640U TYPE 1, QOS-764B CONDITION A
SOLUTION ANNEAL TEMP 1900F MIN

REMARKS:

COMPLIES W/REQUIREMENTS OF DEFAR 252.225-7009 EU DIRECTIVE
2011/65/EU, ROHS, EAP+AD+CC. NO WELD REPAIR. MELTED AND WFG
IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

OK 15/11/3D

Product Id	Skid #	Diameter	Size	Weight	Length	Mark	Pieces	Commodity Code
BH3396 9		7500		814	144.00	10	1	

CHEMICAL ANALYSIS

CM(Country of Met) ES(Spain) US(United States) ZA(South Africa) JP(Japan)

Lab Accreditation Bureau, ISO/IEC 17025, Certificate# L2323
Chemical Analysis per ASTM A751/08

HEAT	CM	C %	CO %	CR %	CU %	MN %	MO %	N %	NI %	P %
V9E0	US	.0422	.2075	17.0435	.3085	1.8195	.3065	.0458	8.2410	.0285

S %	SI %
.3515	.6015

MECHANICAL PROPERTIES

Product Id	1 d o i c r	HB No.	2YS KSI	UTS KSI	RA %	Elong % 4D
BH3396 9	RL	205.0	86.66	107.80	35.18	20.62

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical
Dept. Mgr.

[Signature]

ABH JIBEN BHAVE

7/28/2015

THYSSENKRUPP MATERIALS NA

DART.AEROSPACE

ALUMINUM SQUARE BAR 6061-T6511

4.50" X 48.000"

PART NO.

PO/Rel 30542

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-966164-007

26Nov15

Signed by:

Pg 1/1

KAISER
ALUMINUM
FABRICATED PRODUCTS

Best in Class

CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
5205 KAISER DRIVE
KALAMAZOO, MI 49048

CUSTOMER PO NUMBER: VIM-632927-8		CUSTOMER PART NUMBER: 328/STK		PRODUCT DESCRIPTION: 4.500 SC SQ BAR	
KAISER ORDER NUMBER: 695192	LINE ITEM: 008	SHIP DATE: 10/06/2015	KAISER LOT NUMBER: Z00781009	ALLOY: 6061	TEMPER: T6511
WEIGHT SHIPPED: 2286.000 LB	QUANTITY: 8.000 PCS	B/L NUMBER: 613442	DIAM/ID/THKNS:	WIDTH:	LENGTH: 12.000 FT
SHIP TO: THYSSENKRUPP CANADA 4700 BOIS FRANC ST LAURENT, PQ H4S 1A7 CANADA			SOLD TO: THYSSENKRUPP CANADA 4700 BOIS FRANC ST LAURENT, PQ H4S 1A7 CANADA		

Actual Physical Properties

DAS
14
9-89
15/12/02

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARDNESS	CONDUCT.	BEND
Z00781009	0001	0001	53.2	50.7	17.6	RE 93	N/A	N/A

Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.30	0.00	NA	NA	NA	0.00	0.00
1C4938	.80	.26	.28	.11	.94	.10	.04	.02	.00	.00	.00	.01	.03

Applicable Requirements:

ASIM-B221-14 STENCILED ASME-SB221 1998 SECT II AMS-QQ-A-200/8-97 (REAF 2012) UNS#A96C61
(T6511 also conforms to T6-not applicable to other tempers)

Miscellaneous Notes

MANUFACTURED IN USA MELTED IN USA
MERCURY IS NOT A NORMAL BACKGROUND ELEMENT IN ALUMINUM ALLOYS. NEITHER MERCURY NOR ANY OF ITS COMPOUNDS ARE UTILIZED BY KAISER ALUMINUM IN THE MANUFACTURE OF THIS MATERIAL.

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

Aimee L. Macnowski, Quality & Technology Manager

Aimee L. Macnowski

Plant Serial: 00197068
Kaiser Order Number: 695192
Line Item: 008

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM SHEET 6061 T6
 .0910 Nom X 48.0000" X 144.0000"
 PART NO.

PO/Ref 30542

We certify that this is a true copy of the report
 furnished by the producer of the metal, or data
 resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-966164-010

26Nov15

Signed by:

Pg 1/1

Page 1

Alcoa Europe

European Mill Products
 Alcoa Transformation of
 Stabilimento di Fusina
 Via dell'Industria 31
 30176 Marostica
 Loc. Fusina (Venezia)
 Italia
 Tel: 39 041 2917111
 Fax 39 041 2917259



ALCOA

INSPECTION CERTIFICATE

DOCKSIDE LOGISTICS
 1301 CHARLESTON REGIONAL
 PKWY E
 SC79492 CHARLESTON
 United States of America

EN 10204 3.1

Order number Alcoa 143464002
 Date 9/12/14
 Certificate number M14504739
 Shipment doc. ref. 013056

Your order nr	Your alloy	Your temper	Quantity	Your Art nr
ORDRE 5669-1	6061	T6	12589 Pounds	
Global specification				
ALC SHEET	6061 T6	ASTM B209/B209M 2017 Mill finish		
Dimensions	T x W x L	0.0800 x 48.00 x 144.00 inches		
Remarks				

Chemical composition										
6061										Others
Cast no	Al	Fe	Si	Mn	Mg	Cr	Ni	Cu	Pb	Others
54302B2	99.75	0.07	0.08	0.12	1.05	0.12	0.01	0.07	0.03	
Min.	99.75	0.07	0.15	0.80	0.040					
Max.	99.75	0.10	0.15	1.20	0.15			0.25	0.13	0.050

Mechanical properties				
Coil nr:	Rm	Rp0.2	ASD	
Pallet	KSI	KSI	%	
3725A	46	38	15	
3725A	46	38	15	
3725A	46	38	15	
3725A	46	38	15	
3725A	46	38	15	
3725A	46	38	15	
3725A	46	38	15	
3725A	46	38	15	
3725A	46	38	15	
0916558				
0916559				
0916560				
Min.	42	35	10	
Max.				

DAS
 14
 9-89 15/12/02

COUNTRY OF ORIGIN ITALY

PRODUCT PRODUCED TO THE REQUIREMENT OF AMS427 REV N AND
 ASTM B209 ALSO MEET THE REQUIREMENTS OF AMS-00-A-250-11
 ORIGINAL REVISION DATED 1997-08-01

Approved by
 Roberto Signori
 Test Laboratory Supervisor

Alcoa Transformation of - Sede legale: 00010 Portofino (Cantonale-Igualita) Zona Industriale Portofino - Società a socio unico 100% Alcoa Inc.
 Capitale sociale E 5.000.000 interamente versato - C.F. P.IVA e Registro Imprese Capitan n° 02640570021 - R.E.A. C.C.I.A.A. Capitan n° 213529
 We hereby certify, that the material described above has been tested and complies
 with the terms of the confirmation of order.

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM ROUND BAR 6061-T6511
3.00" DIA X 144.0000"
PART NO.

PO/Rel 30542

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-966164-013

26Nov15

Signed by:

Pg 1/1

KAISER
ALUMINUM
FABRICATED PRODUCTS

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CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
5205 KAISER DRIVE
KALAMAZOO, MI 49048

CUSTOMER PO NUMBER: PEC-270640-10		CUSTOMER PART NUMBER: R72/STK		PRODUCT DESCRIPTION: KAISERSELECT PRECISION ROD 3.000+/- .008	
KAISER ORDER NUMBER: 696083	LINE ITEM: 010	SHIP DATE: 10/20/2015	KAISER LOT NUMBER: Z00067246	ALLOY: 6061	TEMPER: T6511B
WEIGHT SHIPPED: 3291.000 LB	QUANTITY: 33.000 PCS	B/L NUMBER: 613585	DIAM/DIA FT/KINS:	WIDTH:	LENGTH: 12.000 FT
SHIP TO: THYSSENKRUPP CANADA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA			SOLD TO: THYSSENKRUPP CANADA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA		

Actual Physical Properties

DAS

14

9.89

15/12/02

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARDNESS	CONDUCT.	BEND
Z00067246	0001	0001	50.7	C.0	C.0	N/A	N/A	N/A

Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	NA	NA	NA	0.00	0.00
105483	.76	.31	.28	.10	.95	.10	.06	.02	.00	.00	.00	.01	.04

Applicable Requirements:

PER ASTM-B221-14, STENCILED ASME-SB221 1998 SECT II PER AMS-QQ-A-200/8A UNS# A96061
MEETS ALL SPECIFICATION REQUIREMENTS FOR 6061-T6511/T6 ELEVATED MINIMUM MECHANICAL
PROPERTIES AS FOLLOWS: UTS = 42.0 KSI MIN YIELD = 38.0 KSI MIN ELONGATION = 10.0% MIN

Miscellaneous Notes

MANUFACTURED IN USA MELTED IN USA

MERCURY IS NOT A NORMAL BACKGROUND ELEMENT IN ALUMINUM ALLOYS. NEITHER MERCURY NOR ANY
OF ITS COMPOUNDS ARE UTILIZED BY KAISER ALUMINUM IN THE MANUFACTURE OF THIS MATERIAL.

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been
inspected and tested and found in conformance with applicable specifications forming a part of the
description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on
Kaiser's general terms and conditions at sale. Test reports are on file, subject to examination.

Aimee L. Macnowski, Quality & Technology Manager

Aimee L. Macnowski

Plant Serial: 00199195

Kaiser Order Number: 696083

Line Item: 010

Page 1 of 1

THYSSENKRUPP MATERIALS NA

DART AEROSPACE
STAINLESS STEEL ROUND BAR 303 STAINLESS
750" DIA X 144.0000"
PART NO.

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Signed by:

Certificate of Mill Test Results
BL PEC-966164-002
26 Nov 15
Pg 1/1



740 Imperial Road North

Certificate: 92062 3
Customer: 007206 001

Mail To:
THYSSENKRUPP MATERIALS
2821 LANGSTAFF ROAD
CONCORD, ON L4K5C6

Ship To:
THYSSENKRUPP MATERIALS
2821 LANGSTAFF ROAD
CONCORD, ON L4K5C6

North American Stainless Canada Inc.
740 Imperial Road North
Guelph, ON N1K1Z3
Canada

METALLURGICAL TEST REPORT

Date: 9/03/2015 Page: 1

Steel: 303

Finish: CD

Corrosion:

Your Order: PEC268617

NAS Order: PN 0055226 13

PRODUCT DESCRIPTION:

Round Bar, Annealed, Cold Draw
ASTM A583/12 EN 10204 3.1, ASTM A484/11
AMS 5640 TYPE 1, QQS-764B CONDITION A
SOLUTION ANNEAL TEMP 1900F MIN

REMARKS:

COMPLIES W/REQUIREMENTS OF DEAR 252.225-7009 EU DIRECTIVE
2011/65/EU, ROHS, EAF+AD+CC. NO WELD REPAIR, MELTED AND MFG
IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

out 12/11/00

Product Id	Skid #	Diameter	Size	Weight	Length	Mark	Pieces	Commodity Code
BH1992 3		7.500		777	144.00	27	1	

CHEMICAL ANALYSIS

CM(Country of Melt)

ES(Spain)

US(United States)

ZA(South Africa)

JP(Japan)

Chemical Analysis per ASTM A751/08

HEAT	CM	C %	CO %	CR %	CU %	MN %	MO %	N %	NI %	P %
V2P7	US	.0429	.1940	17.2070	.3625	1.8140	.3540	.0456	8.1650	.0315

S %	SI %
.3450	.5180

MECHANICAL PROPERTIES

Product Id	1 d o l c f	HB No.	.2YS KSI	UTS KSI	RA %	Elng % AD
BH1992 3	RL	163.0	91.55	110.59	33.98	21.78

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical
Dept. Mgr.

ARRIETT BEAVER 9/03/2015

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511
 .250" x 6.00" X 144.0000"
 PART NO.

PO/Ref 30542

We certify that this is a true copy of the report
 furnished by the producer of the metal, or data
 resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-966164-004

26Nov15

Signed by:

Pg 1/2

KAISER
ALUMINUM
FABRICATED PRODUCTS

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CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

KAISER ALUMINUM
 FABRICATED PRODUCTS, LLC
 5205 KAISER DRIVE
 KALAMAZOO, MI 49048

CUSTOMER PO NUMBER: PEC-270268-1		CUSTOMER PART NUMBER: W50/STK		PRODUCT DESCRIPTION: 250 X 6.000 PRECISION WIDE BAR	
KAISER ORDER NUMBER: 695136	LINE ITEM: 001	SHIP DATE: 10/01/2015	KAISER LOT NUMBER: 41087-050	ALLOY: 6061	TEMPER: T6511
WEIGHT SHIPPED: 1016.000 LB	QUANTITY: 48.000 PCS	B/L NUMBER: 613391	DIAM/DEPTH/THKNS: 	WIDTH: 	LENGTH: 12.000 FT
SHIP TO: THYSSENKRUPP CANADA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA			SOLD TO: THYSSENKRUPP CANADA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA		

Actual Physical Properties

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARDNESS	CONDUCT.	BEND
41087-050	0001	1	45.5	41.1	15.0	WB 16	N/A	N/A
41087-050	0001	2	47.5	42.9	15.0	WB 16	N/A	N/A
41087-050	0001	3	47.3	40.7	16.0	WB 15	N/A	N/A
41087-050	0001	4	46.9	40.3	17.0	WB 15	N/A	N/A
41087-050	0001	5	47.0	40.4	16.0	WB 15	N/A	N/A
41087-050	0001	6	46.8	40.2	17.0	WB 15	N/A	N/A

Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	NA	NA	NA	0.00	0.00
F46788	.70	.31	.25	.12	.92	.10	.08	.02	.00	.00	.00	.01	.02

Applicable Requirements:

ASTM-B221-14 STENCILED ASME-SR221 1998 SECT II AWS-QQ-A-200/8297 (REAF 2012) UNS#A96061
 (T6511 also conforms to T6-not applicable to other tempers)

Miscellaneous Notes

MANUFACTURED IN USA (SHERMAN, TX) MELTED IN USA
 MERCURY IS NOT A NORMAL BACKGROUND ELEMENT IN ALUMINUM ALLOYS. NEITHER MERCURY NOR ANY
 OF ITS COMPOUNDS ARE UTILIZED BY KAISER ALUMINUM IN THE MANUFACTURE OF THIS MATERIAL.

DAS
 14
 9-89

15/12/02

Plant Serial: 00196233

Kaiser Order Number: 695136

Line Item: 001

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6S11

.250" x 6.00" X 144.0000"

PART NO.

PO/Rel 30542

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-966164-004

26Nov15

Signed by: 

Pg 2/2

KAISER
ALUMINUM
FABRICATED PRODUCTS

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
5205 KAISER DRIVE
KALAMAZOO, MI 49048

Best in Class

CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

Aimee L. Macnowski, Quality & Technology Manager

Aimee L. Macnowski

Plant Serial: 00196233

Kaiser Order Number: 695136

Line Item: 001

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM SQUARE BAR 6061-T6511
1.250" X 144.0000"
PART NO.

PO/Ref 30542

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-966164-006

26Nov15

Signed by:

Pg 1/1

KAISER
ALUMINUM
FABRICATED PRODUCTS

Best in Class

CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
5205 KAISER DRIVE
KALAMAZOO, MI 49048

CUSTOMER PO NUMBER: PEC-269672-5		CUSTOMER PART NUMBER: 386/STK		PRODUCT DESCRIPTION: 1.250 SC SQ BAR	
KAISER ORDER NUMBER: 693339	LINE ITEM: 005	SHIP DATE: 09/03/2015	KAISER LOT NUMBER: Z00240087	ALLOY: 6061	TEMPER: T6511
WEIGHT SHIPPED: 1058.000 LB	QUANTITY: 48.000 PCS	B/L NUMBER: 613075	DIAM/BAF/THKNS:	WIDTH:	LENGTH: 12.000 FT
SHIP TO: THYSSENKRUPP CANADA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA			SOLD TO: THYSSENKRUPP CANADA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA		

Actual Physical Properties

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARDNESS	CONDUCT.	BEND
Z00240087	C001	0001	45.3	41.6	17.2	RE 93	N/A	N/A
Z00240087	C001	0002	45.0	41.5	15.8	RE 93	N/A	N/A
Z00240087	C001	0003	44.1	40.2	18.6	RE 93	N/A	N/A

Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	NA	NA	NA	0.00	0.00
105241	.60	.26	.21	.08	.83	.07	.05	.02	.00	.00	.00	.01	.03

Applicable Requirements:

ASTM-B221-14 STENCILED ASME-SB221 1998 SECT II AMS-QQ-A-200/8 97 (REAF 2012) UNS#A96061
(T6511 also conforms to T6-not applicable to other tempers)

Miscellaneous Notes

MANUFACTURED IN USA MELTED IN USA
MERCURY IS NOT A NORMAL BACKGROUND ELEMENT IN ALUMINUM ALLOYS. NEITHER MERCURY NOR ANY OF ITS COMPOUNDS ARE UTILIZED BY KAISER ALUMINUM IN THE MANUFACTURE OF THIS MATERIAL.

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

Aimee L. Macnowski, Quality & Technology Manager

Aimee L. Macnowski

DAS
14
9-89

15/12/02

Plant Serial: 00192172

Kaiser Order Number: 693339

Line Item: 005

THYSSENKRUPP MATERIALS NA

DART AEROSPACE
ALUMINUM ROUND BAR 6061-T6511
750" DIA X 144.0000"
PART NO.

PO/Ref 30542

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by:

Certificate of Mill Test Results
BL PEC-966164-008
26 Nov 15
Pg 1/1



Nanshan America
Advanced Aluminum Technologies
3600 US Hwy 52 South
Lafayette, Indiana 47909
Main Office: (765) 269-4360

CERTIFIED INSPECTION REPORT FOR EXTRUDED PRODUCTS

BILL TO 10038 - B01-ThyssenKrupp Materials NA, Tor	MANIFEST NUMBER 9310	ONE NUMBER 1001	DATE OF SHIPMENT 7/20/2015
SHIP TO 10038 - B01-ThyssenKrupp Materials NA, Tor	CUSTOMER PO PEC-267682	ALLOY 6061	TEMPER T6511
	CUSTOMER PART NUMBER 40-00478	DESCRIPTION Rod 0.750"	SALESMAN Scott Rarick

Applicable Requirements
ASTM B221-T6 AMS-QQ-A-200/8
(2012-09) T6511 also conforms to T6
ASME SB221 - 1998 sect II

OUR ORDER NUMBER 104337	ITEM 3
-----------------------------------	------------------

Melted in USA
Manufactured in USA

Mechanical Properties

Lot	Cast Number	Test No.	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation	Hardness	Conductivity
104337 3	1506025	6061	T6511	15070430	07/15/15	48.7	44.1	16%

Chemical Limits

Alloy	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Ga	V	B	Zr	Bi	Pb	Sn	Sr	Co	Each	Total
ALLOY 6061	0.65	0.22	0.28	0.06	0.84	0.06	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.12
Minimum	0.78	0.55	0.38	0.14	0.98	0.14	0.03	0.24	0.08	0.03	0.00	0.03	0.03	0.03	0.05	0.03	0.03	0.03		
Maximum																				

Density:

Electrical Conductivity:

Thermal Conductivity:

Alloy Constant:

Chemical Composition

Cast Number	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Ga	V	B	Zr	Bi	Pb	Sn	Sr	Co	Al	Other
1506025	6061	0.72	0.48	0.33	0.10	0.86	0.08	0.01	0.10	0.02	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	97.26	0.00

Nanshan America hereby certifies that the material covered by this report has been inspected in accordance with, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown. Mercury is not a normal contaminant in aluminum alloys. All Material is ROHS Compliant. Neither mercury nor any of its compounds were utilized by Nanshan America in the manufacture of this material. Material complies with FAR BAA (FAR 52.225-1, Buy American Act-Supplies), DFARS BAA (DFARS 252.225-7001 Buy American Act & Bal of Payments Prog), and FAR TAA (FAR 52.225-5 Trade Agreements) Temper T6511 meets T6 Requirements

Edward Vinnick
Quality Manager

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511
1.50" x 3.00" X 144.0000"
PART NO.

PO/Rel 30542

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-966164-011

26Nov15

Pg 1/1

Signed by: 

KAISER
ALUMINUM
FABRICATED PRODUCTS

Best in Class

CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
5205 KAISER DRIVE
KALAMAZOO, MI 49048

CUSTOMER PO NUMBER: PEC-270868-4		CUSTOMER PART NUMBER: 471/STK		PRODUCT DESCRIPTION: 1.500 X 3.000 SC RECT BAR	
KAISER ORDER NUMBER: 696737	LINE ITEM: 004	SHIP DATE: 10/30/2015	KAISER LOT NUMBER: Z00649040	ALLOY: 6061	TEMPER: T6511
WEIGHT SHIPPED: 1524.000 LB	QUANTITY: 24.000 PCS	B/L NUMBER: 613715	DIAM/DA/THKNS: 	WIDTH: 	LENGTH: 12.000 FT
SHIP TO: THYSSENKRUPP CANADA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA			SOLD TO: THYSSENKRUPP CANADA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA		

Actual Physical Properties

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARDNESS	CONDUCT.	BEND
Z00649040	C001	0001	43.5	39.0	19.5	RE 90	N/A	N/A
Z00649040	C001	0002	44.3	40.3	17.4	RE 90	N/A	N/A

Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot
Maximum	0.30	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	NA	NA	NA	0.00	0.00
105432	.59	.26	.20	.08	.86	.07	.04	.02	.00	.00	.00	.01	.04

Applicable Requirements:

ASTM-B221-14 STENCILED ASME-SB221 1998 SECT II AMS-QQ-A-200/EA UNS#A96061 (T6511 also conforms to T6-not applicable to other tempers)

Miscellaneous Notes

MANUFACTURED IN USA MELTED IN USA

MERCURY IS NOT A NORMAL BACKGROUND ELEMENT IN ALUMINUM ALLOYS. NEITHER MERCURY NOR ANY OF ITS COMPOUNDS ARE UTILIZED BY KAISER ALUMINUM IN THE MANUFACTURE OF THIS MATERIAL.

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

Aimee L. Macnowski, Quality & Technology Manager

Aimee L. Macnowski

DAS

14

9-89

15/12/02

Plant Serial: 00200833

Kaiser Order Number: 696737

Line Item: 004

Page 1 of 1

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511

1.00" x 2.00" X 144.0000"

PART NO.

PO/Rel 30542

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-966164-012

26Nov15

Signed by: 

Pg 1/1

KAISER
ALUMINUM
FABRICATED PRODUCTS

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CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
5205 KAISER DRIVE
KALAMAZOO, MI 49048

CUSTOMER PO NUMBER: PEC-271017-4		CUSTOMER PART NUMBER: B22/STK		PRODUCT DESCRIPTION: 1.000 X 2.000 SC RECT BAR.	
KAISER ORDER NUMBER: 697129	LINE ITEM: 004	SHIP DATE: 11/03/2015	KAISER LOT NUMBER: HK104-206	ALLOY: 6061	TEMPER: T6511
WEIGHT SHIPPED: 1016.000 LB	QUANTITY: 36.000 PCS	B/L NUMBER: 613746	DIAM/DIA THKNS: 	WIDTH: 	LENGTH: 12.000 FT
SHIP TO: THYSSENKRUPP CANADA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA			SOLD TO: THYSSENKRUPP CANADA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA		

Actual Physical Properties

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARDNESS	CONDUCT.	BEND
HK104-206	0001	1	50.5	44.2	19.0	RE 94	N/A	N/A
HK104-206	0001	2	50.5	44.2	19.0	RE 94	N/A	N/A
HK104-206	0001	3	54.8	43.9	16.0	RE 94	N/A	N/A
HK104-206	0001	4	50.2	44.1	19.0	RE 98	N/A	N/A
HK104-206	0001	5	54.0	43.2	16.0	RE 97	N/A	N/A

Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	NA	NA	NA	0.00	0.00
H46805	.74	.28	.29	.09	.97	.10	.04	.02	.00	.00	.00	.01	.02

Applicable Requirements:

ASTM-B221-14 STENCILED ASME-SB221 1998 SECT II 7MS-QQ-A-200/84 UNS#A96061 (T6511 also conforms to T6-not applicable to other tempers)

Miscellaneous Notes

MANUFACTURED IN USA (SHERMAN, TX) MELTED IN USA
MERCURY IS NOT A NORMAL BACKGROUND ELEMENT IN ALUMINUM ALLOYS. NEITHER MERCURY NOR ANY OF ITS COMPOUNDS ARE UTILIZED BY KAISER ALUMINUM IN THE MANUFACTURE OF THIS MATERIAL.

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

Aimee L. Macnowski, Quality & Technology Manager

Aimee L. Macnowski

DAS
14
9-89

15/12/02

Plant Serial: 06201400

Kaiser Order Number: 697129

Line Item: 004

Page 1 of 1

THYSSENKRUPP MATERIALS NA

DART AEROSPAC

STAINLESS STEEL ROUND BAR 304L
1.00" DIA X 144.0000"
PART NO.

PO/Rel 30542

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Signed by:

Certificate of Mill Test Results
BL PEC-966164-003
26Nov15
Pg 1/1



740 Imperial Road North

METALLURGICAL TEST REPORT

North American Stainless Canada Inc.
740 Imperial Road North
Guelph, ON N1K1Z3
Canada

Certificate: 111441 3

Mail To:
THYSSENKRUPP MATERIALS
2821 LANGSTAFF ROAD
CONCORD, ON L4K5C6

Ship To:
THYSSENKRUPP MATERIALS
2821 LANGSTAFF ROAD
CONCORD, ON L4K5C6

Date: 11/05/2015 Page: 1

Customer: 007206 001

Finish: CD

Corrosion: ASTM A262-10 Prac A/E OK

Your Order: PEC270238

NAS Order: PN 0058159 01

Red Ratio: 69.4 : 1

PRODUCT DESCRIPTION:

Round Bar, Annealed, Cold Draw
UNS 30400/30403 EN 10204 3.1, ASTM A484/13a
ASTM A276/13, ASTM A479/13a, ASTM A182/13 CHEM ONLY,
ASME SA479/13, ASME SA182/10 CHEM ONLY
AMS 5639H, AMS 5647J, AMS Q08-763C, Q08-763F, ASTM F899/11
SOLUTION ANNEAL TEMP 1900F MIN, ASTM A320/08 CL 1 GR B8
ASTM A193/10A-ASME SA193/10 CL 1 GR B8

REMARKS:

COMPLIES W/REQUIREMENTS OF DPAF 252.225-7009 EU DIRECTIVE
2011/65/EU, ROHS, EAF+AD+CC. NO WELD REPAIR, MELTED AND MFG
IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

DAS
14
9-89
15/12/02

Product Id	Skid #	Diameter	Size	Weight	Length	Mark	Pieces	Commodity Code
BH5336 6		1.0000		1.302	144.00	3	1	

CHEMICAL ANALYSIS

CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan)

Lab Accreditation Bureau, ISO/IEC 17025, Certificate# L2323
Chemical Analysis per ASTM A751/08

HEAT	CM	C %	CO %	CR %	CU %	MN %	MO %	N %	NI %	P %
WB15	US	.0156	.1585	18.0300	.4015	1.3880	.3735	.0805	8.4885	.0310
	S %	SI %								
	.0240	.2910								

MECHANICAL PROPERTIES

Product Id	1 d o 1 x	HB NO.	2YS KSI	UTS KSI	RA %	Elng % 4D
BH5336 6	RL	206.0	73.09	98.15	71.16	44.93

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy
of the test methods used, the material meets the specifications stated. These results relate only to the items
tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical
Dept. Mgr.

11/05/2015

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLT BAR ECONOPLT 6061-T6511

.500" X 10.00" X 144.0000"

PART NO.

PO/Rel 30542

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-966164-005

26Nov15

Signed by:

Pg 1/1

KAISER
ALUMINUM
FABRICATED PRODUCTS

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CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
5205 KAISER DRIVE
KALAMAZOO, MI 49048

CUSTOMER PO NUMBER: PEC-270456-7		CUSTOMER PART NUMBER: W60/STK		PRODUCT DESCRIPTION: 500 X 10.000 PRECISION WIDE BAR	
KAISER ORDER NUMBER: 695536	LINE ITEM: 007	SHIP DATE: 10/27/2015	KAISER LOT NUMBER: Z00191079	ALLOY: 6061	TEMPER: T6511
WEIGHT SHIPPED: 1128.000 LB	QUANTITY: 16.000 PCS	B/L NUMBER: 613668	DIAM/BA/PTHKNS:	WIDTH:	LENGTH: 12.000 FT
SHIP TO: THYSSENKRUPP CANADA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA			SOLD TO: THYSSENKRUPP CANADA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA		

Actual Physical Properties

DAS

14

9-89

15/12/02

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARDNESS	CONDUCT.	BEND
Z00191079	0001	0001	44.0	39.9	16.1	RE 94	N/A	N/A
Z00191079	0001	0002	44.2	40.0	15.1	RE 94	N/A	N/A

Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	NA	NA	NA	0.00	0.00
105432	.59	.26	.20	.08	.86	.07	.04	.02	.00	.00	.00	.01	.04

Applicable Requirements:

ASTM-B221-14 STENCILED ASME-SB221 1998 SECT II AMS-QQ-A-200/8A UNS#A96061 (T6511 also conforms to T6-not applicable to other tempers)

Miscellaneous Notes

MANUFACTURED IN USA MELTED IN USA

MERCURY IS NOT A NORMAL BACKGROUND ELEMENT IN ALUMINUM ALLOYS. NEITHER MERCURY NOR ANY OF ITS COMPOUNDS ARE UTILIZED BY KAISER ALUMINUM IN THE MANUFACTURE OF THIS MATERIAL.

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

Aimee L. Macnowski, Quality & Technology Manager

Aimee L. Macnowski

Plant Serial: 00200320

Kaiser Order Number: 695536

Line Item: 007

Page 1 of 1

THYSSENKRUPP MATERIALS NA

PART AEROSPACE
ALUMINUM ROUND BAR 6061-T6511
1.00" DIA X 144.0000"
PART NO.

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by: _____

Certificate of Mill Test Results
BL PEC-966164-009
26 Nov 15
Pg 1/1



Nanshan America
Advanced Aluminum Technologies
3600 US Hwy 52 South
Lafayette, Indiana 47909
Main Office: (765) 269-4360

CERTIFIED INSPECTION REPORT FOR EXTRUDED PRODUCTS

OUR ORDER NUMBER	ITEM
104417	1

BILL TO 10038 - B01-ThyssenKrupp Materials NA, Torp	MANIFEST NUMBER 9628	DIE NUMBER 1003	DATE OF SHIPMENT 7/30/2015
SHIP TO 10038 - B01-ThyssenKrupp Materials NA, Torp	CUSTOMER PO PEC-267810	ALLOY 6061	TEMPER T6511
CUSTOMER PART NUMBER	CUSTOMER PART NUMBER 40-00453	DESCRIPTION 1.0" Rod	SALESMAN Scott Ranick

Applicable Requirements
ASTM B221-14 AMS-QQ-A-200/8
(2012-09) T6511 also conforms to T6
ASME SB221 - 1998 sect II

Melted in USA
Manufactured in USA

Mechanical Properties

Alloy	Temper	Test No.	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation	Hardness	Conductivity
6061	T6511	15,070,653	07/20/2015	48.0	44.1	18%		

Chemical Limits

Alloy	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Al	Ga	V	B	Zr	Bi	Pb	Sn	Sr	Ca	Each	Total
ALLOY 6061																				
Minimum	0.65	0.22	0.28	0.06	0.84	0.06	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.12
Maximum	0.78	0.55	0.38	0.14	0.98	0.14	0.03	0.24	0.08	0.03	0.03	0.00	0.03	0.03	0.05	0.03	0.03	0.03	0.03	
Density:																				
Electrical Conductivity:																				
Thermal Conductivity:																				
Alloy Constant																				

Chemical Composition

Cast Number	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Al	Ga	V	B	Zr	Bi	Pb	Sn	Sr	Ca	Other
1507008	0.65	0.54	0.31	0.07	0.96	0.06	0.01	0.02	0.02	0.01	0.01								97.33

Nanshan America hereby certifies that the material covered by this report has been inspected in accordance with, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown. Mercury is not a normal contaminant in aluminum alloys. All Material is ROHS Compliant. Neither mercury nor any of its compounds were utilized by Nanshan America in the manufacture of this material. Material complies with FAR BAA (FAR 52.225-1, Buy American Act-Supplies), DFARS BAA (DFARS 252.225-7001 Buy American Act & Bal of Payments Prog), and FAR TAA (FAR 52.225-6 Trade Agreements) Temper T6511 meets T6 Requirements

Edward Vinarick
Quality Manager

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M303
 DATE: 15/11/30

PO / BATCH NO.: 30542/133699

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 96'
 QUANTITY INSPECTED: 96'
 QUANTITY REJECTED: _____

THICKNESS ORDERED: R. 750
 THICKNESS RECEIVED: R. 750
 SHEET SIZE ORDERED: _____
 SHEET SIZE RECEIVED: _____

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="checkbox"/> N	
CORRECT FINISH	<input checked="" type="checkbox"/> Y	N	
CORROSION	Y	<input checked="" type="checkbox"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> Y	N	
CORRECT MATERIAL	<input checked="" type="checkbox"/> Y	N	
CORRECT THICKNESS	<input checked="" type="checkbox"/> Y	N	
PHOTO REQUIRED	Y	<input checked="" type="checkbox"/> N	
CORRECT MATERIAL	<input checked="" type="checkbox"/> Y	N	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> Y	N	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> Y	N	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> Y	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	<input checked="" type="checkbox"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	<input checked="" type="checkbox"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>14 9-89</u> DATE: <u>15/11/30</u>	SIGNED OFF BY: _____ DATE: _____	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6061T6
DATE: 15/12/02

PO / BATCH NO.: 30542/133699

MATERIAL CERT REC'D: yes
QUANTITY RECEIVED: 24'
QUANTITY INSPECTED: 24'
QUANTITY REJECTED: _____

THICKNESS ORDERED: .250X6.00
THICKNESS RECEIVED: .250X6.00
SHEET SIZE ORDERED: _____
SHEET SIZE RECEIVED: _____

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/> N	
CORRECT FINISH	<input checked="" type="checkbox"/> Y N	
CORROSION	Y <input checked="" type="checkbox"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> Y N	
CORRECT MATERIAL	<input checked="" type="checkbox"/> Y N	
CORRECT THICKNESS	<input checked="" type="checkbox"/> Y N	
PHOTO REQUIRED	Y <input checked="" type="checkbox"/> N	
CORRECT MATERIAL	<input checked="" type="checkbox"/> Y N	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> Y N	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> Y N	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> Y N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="checkbox"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="checkbox"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW				
	HRC	HRB	DUR A	DUR D
TYPE OF MATERIAL				
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: _____	DAS 14 9-89	SIGNED OFF BY: _____	
DATE: <u>15/12/02</u>		DATE: _____	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6061T6
 DATE: 15/12/02

PO / BATCH NO: 30542/133699

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 12'
 QUANTITY INSPECTED: 12'
 QUANTITY REJECTED: _____

THICKNESS ORDERED: 1.25X1.25
 THICKNESS RECEIVED: 1.25X1.25
 SHEET SIZE ORDERED: _____
 SHEET SIZE RECEIVED: _____

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT FINISH	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/>	
CORROSION	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/>	
CORRECT MATERIAL	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/>	
CORRECT THICKNESS	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/>	
PHOTO REQUIRED	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	
CORRECT MATERIAL	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/>	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/>	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/>	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS 14</u> DATE: <u>15/12/02</u>	SIGNED OFF BY: _____ DATE: _____	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M606TT6
DATE: 15/12/02

PO / BATCH NO.: 30542/133699

MATERIAL CERT REC'D: yes
QUANTITY RECEIVED: 12'
QUANTITY INSPECTED: 12'
QUANTITY REJECTED: _____

THICKNESS ORDERED: 3.00 X 1.50
THICKNESS RECEIVED: 3.00 X 1.50
SHEET SIZE ORDERED: _____
SHEET SIZE RECEIVED: _____

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/> N	
CORRECT FINISH	<input checked="" type="checkbox"/> Y N	
CORROSION	Y <input checked="" type="checkbox"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> Y N	
CORRECT MATERIAL	<input checked="" type="checkbox"/> Y N	
CORRECT THICKNESS	<input checked="" type="checkbox"/> Y N	
PHOTO REQUIRED	Y <input checked="" type="checkbox"/> N	
CORRECT MATERIAL	<input checked="" type="checkbox"/> Y N	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> Y N	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> Y N	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> Y N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="checkbox"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="checkbox"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>DAS</u>	SIGNED OFF BY: _____		
DATE: <u>15/12/02</u>	DATE: _____		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6061T6
 DATE: 15/12/02

PO / BATCH NO: 30542/133699

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 12
 QUANTITY INSPECTED: 12
 QUANTITY REJECTED: _____

THICKNESS ORDERED: 1.00x2.00
 THICKNESS RECEIVED: 1.00x2.00
 SHEET SIZE ORDERED: _____
 SHEET SIZE RECEIVED: _____

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y N	
CORROSION	Y <input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y N	
CORRECT THICKNESS	<input checked="" type="radio"/> Y N	
PHOTO REQUIRED	Y <input checked="" type="radio"/> N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y N	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS 14</u> DATE: <u>15/12/02</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6061TC
DATE: 15/12/02

PO / BATCH NO.: 30542/133699

MATERIAL CERT REC'D: yes
QUANTITY RECEIVED: 24
QUANTITY INSPECTED: 24
QUANTITY REJECTED: _____

THICKNESS ORDERED: R.750
THICKNESS RECEIVED: R.750
SHEET SIZE ORDERED: _____
SHEET SIZE RECEIVED: _____

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y N	
CORROSION	Y <input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y N	
CORRECT THICKNESS	<input checked="" type="radio"/> Y N	
PHOTO REQUIRED	Y <input checked="" type="radio"/> N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y N	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW				
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>DAS</u>	SIGNED OFF BY: _____		
DATE: <u>15/12/02</u>	DATE: _____		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6061 T6
 DATE: 15/12/02

PO / BATCH NO.: 30542/133699

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 12
 QUANTITY INSPECTED: 12
 QUANTITY REJECTED: _____

THICKNESS ORDERED: R1.00
 THICKNESS RECEIVED: R1.00
 SHEET SIZE ORDERED: _____
 SHEET SIZE RECEIVED: _____

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="checkbox"/>	
CORRECT FINISH	<input checked="" type="checkbox"/>	N	
CORROSION	Y	<input checked="" type="checkbox"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/>	N	
CORRECT MATERIAL	<input checked="" type="checkbox"/>	N	
CORRECT THICKNESS	<input checked="" type="checkbox"/>	N	
PHOTO REQUIRED	Y	<input checked="" type="checkbox"/>	
CORRECT MATERIAL	<input checked="" type="checkbox"/>	N	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/>	N	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/>	N	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/>	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	<input checked="" type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	<input checked="" type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS</u> <u>14</u> <small>9-89</small> DATE: <u>15/12/02</u>	SIGNED OFF BY: _____ DATE: _____	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M606IT6
DATE: 15/12/02

PO / BATCH NO.: 30542/133699

MATERIAL CERT REC'D: yes
QUANTITY RECEIVED: 12'
QUANTITY INSPECTED: 12'
QUANTITY REJECTED: _____

THICKNESS ORDERED: R3.00
THICKNESS RECEIVED: R3.00
SHEET SIZE ORDERED: _____
SHEET SIZE RECEIVED: _____

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/>	
CORRECT FINISH	<input checked="" type="checkbox"/> N	
CORROSION	Y <input checked="" type="checkbox"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> N	
CORRECT MATERIAL	<input checked="" type="checkbox"/> N	
CORRECT THICKNESS	<input checked="" type="checkbox"/> N	
PHOTO REQUIRED	Y <input checked="" type="checkbox"/>	
CORRECT MATERIAL	<input checked="" type="checkbox"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> N	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> N	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D	
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>DAS</u>	SIGNED OFF BY: _____		
DATE: <u>15/12/02</u>	DATE: _____		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M606IT6
 DATE: 15/12/02

PO / BATCH NO: 30542/133699

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 12'
 QUANTITY INSPECTED: 12'
 QUANTITY REJECTED: _____

THICKNESS ORDERED: .500 X 10.00
 THICKNESS RECEIVED: .500 X 10.00
 SHEET SIZE ORDERED: _____
 SHEET SIZE RECEIVED: _____

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/> N	
CORRECT FINISH	<input checked="" type="checkbox"/> N	
CORROSION	Y <input checked="" type="checkbox"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> N	
CORRECT MATERIAL	<input checked="" type="checkbox"/> N	
CORRECT THICKNESS	<input checked="" type="checkbox"/> N	
PHOTO REQUIRED	Y <input checked="" type="checkbox"/> N	
CORRECT MATERIAL	<input checked="" type="checkbox"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> N	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> N	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="checkbox"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="checkbox"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW				
	HRC	HRB	DUR A	DUR D
TYPE OF MATERIAL				
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS</u> <u>14</u> DATE: <u>15/12/02</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6061 T6
DATE: 15/12/02

PO / BATCH NO.: 30542/133699

MATERIAL CERT REC'D: yes
QUANTITY RECEIVED: 8
QUANTITY INSPECTED: 8
QUANTITY REJECTED: _____

THICKNESS ORDERED: 4.50 X 4.50
THICKNESS RECEIVED: 4.50 X 4.50
SHEET SIZE ORDERED: _____
SHEET SIZE RECEIVED: _____

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y N	
CORROSION	Y <input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y N	
CORRECT THICKNESS	<input checked="" type="radio"/> Y N	
PHOTO REQUIRED	Y <input checked="" type="radio"/> N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y N	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW				
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>DAS</u>	SIGNED OFF BY: _____		
DATE: <u>15/12/02</u>	DATE: _____		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M16061 T6
DATE: 15/12/02

PO / BATCH NO.: 30542/133699

MATERIAL CERT REC'D: yes
QUANTITY RECEIVED: 48 SA
QUANTITY INSPECTED: 48 SA
QUANTITY REJECTED: _____

THICKNESS ORDERED: .090"
THICKNESS RECEIVED: .090"
SHEET SIZE ORDERED: 4'X12'
SHEET SIZE RECEIVED: 4'X12'

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y N	
CORROSION	Y <input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y N	
CORRECT THICKNESS	<input checked="" type="radio"/> Y N	
PHOTO REQUIRED	Y <input checked="" type="radio"/> N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y N	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW				
	HRC	HRB	DUR A	DUR D
TYPE OF MATERIAL				
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>DAS</u>	SIGNED OFF BY: _____		
DATE: <u>15/12/02</u>	DATE: _____		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M303
DATE: 15/12/02

PO / BATCH NO: 30542/133699

MATERIAL CERT REC'D: yes
QUANTITY RECEIVED: 12'
QUANTITY INSPECTED: 12'
QUANTITY REJECTED: _____

THICKNESS ORDERED: R.375
THICKNESS RECEIVED: R.375
SHEET SIZE ORDERED: _____
SHEET SIZE RECEIVED: _____

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y N	
CORROSION	Y <input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y N	
CORRECT THICKNESS	<input checked="" type="radio"/> Y N	
PHOTO REQUIRED	Y <input checked="" type="radio"/> N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y N	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>14</u> <u>9-89</u>	SIGNED OFF BY: _____		
DATE: <u>15/12/02</u>	DATE: _____		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M304
 DATE: 15/12/02

PO / BATCH NO: 30542/133699

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 12'
 QUANTITY INSPECTED: 12'
 QUANTITY REJECTED: _____

THICKNESS ORDERED: R1.00
 THICKNESS RECEIVED: R1.00
 SHEET SIZE ORDERED: _____
 SHEET SIZE RECEIVED: _____

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y N	
CORROSION	Y <input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y N	
CORRECT THICKNESS	<input checked="" type="radio"/> Y N	
PHOTO REQUIRED	Y <input checked="" type="radio"/> N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y N	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW				
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS</u> <u>14</u> DATE: <u>15/12/02</u>	SIGNED OFF BY: _____ DATE: _____	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO30542**

Purchase Order Date 11/23/2015

PO Print Date 11/24/2015

Page Number 1 of 9

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

FAXED

Contact Name

Vendor Phone 905 669 9444

Ship To Contact

Ship To Phone

Ship Via: VENDOR'S TRUCK

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax # 10127-2607

Terms

Net 30

Currency

CAD

FOB

FCA - (Free Carrier)

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
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2	M303R0.375	303 Round Bar 0.375"	11/30/2015 Yes 11/30/2015		12.00 f	\$2.92	\$35.00
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MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582

NOTE: AISI 304/316 NOT ACCEPTABLE

Line Total: \$35.00

3	M303R0.750	303 Round Bar 0.750	11/30/2015 Yes 11/30/2015		96.00 f	\$3.03	\$290.88
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MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582

NOTE: AISI 304/316 NOT ACCEPTABLE

Line Total: \$290.88

PO Instructions: NO. PEC ST-869586
NO. PEC ST-870627

Note:

11/24/2015



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO30542

Purchase Order Date 11/23/2015

PO Print Date 11/24/2015

Page Number 2 of 9

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone 905 669 9444

Ship To Contact

Ship To Phone

Ship Via: VENDOR'S TRUCK

Ship Acct:

Buyer

Customer POID

Customer Tax # 10127-2607

Terms

Currency

FOB

Chantal Lavoie

Net 30

CAD

FCA - (Free Carrier)

4 M304R1.000 304 round bar 1.00 11/30/2015
Yes
11/30/2015

MATERIAL: AISI 304/316 SS ROUND BAR AS PER ASTM A276

(NOTE: AISI 303 NOT ACCEPTABLE)

12.00 ✓
f \$5.73 ✓ \$68.80

Line Total: \$68.80

5 M6061T6B0.250X06.000 6061-T6 Bar .250 x 6.00 11/30/2015
Yes
11/30/2015

MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

24.00 ✓
f \$3.85 ✓ \$92.45

Line Total: \$92.45

6 M6061T6B0.500X10.000 6061-T6 Bar .500 x 10.00 11/30/2015
Yes
11/30/2015

MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

12.00 ✓
f \$12.72 ✓ \$152.65

PO Instructions: NO. PEC ST-869586
NO. PEC ST-870627

Note:

2015-11-27

11/24/2015



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO30542**

Purchase Order Date 11/23/2015

PO Print Date 11/24/2015

Page Number 3 of 9

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
Vendor Phone 905 669 9444

Ship To Contact
Ship To Phone
Ship Via: VENDOR'S TRUCK
Ship Acct:

Buyer Chantal Lavoie
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency CAD
FOB FCA - (Free Carrier)

Line Total: **\$152.65**

7 M6061T6B1.250X01.250 6061-T6 Bar 1.25 x 1.25 11/30/2015
Yes
11/30/2015

12.00 ✓
f \$3.94 ✓ \$47.30

MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

Line Total: **\$47.30**

8 M6061T6B4.500X4.500 6061-T6 AluminumBar 11/30/2015
No
11/30/2015

8.00 ✓
f \$64.00 ✓ \$511.97

MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

NOTE: PLEASE CUT IN SECTION OF 4 FT

Line Total: **\$511.97**

PO Instructions: NO. PEC ST-869586
NO. PEC ST-870627

Note:

11/24/2015



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO30542**

Purchase Order Date 11/23/2015

PO Print Date 11/24/2015

Page Number 4 of 9

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone 905 669 9444

Ship To Contact

Ship To Phone

Ship Via: VENDOR'S TRUCK

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax # 10127-2607

Terms Net 30

Currency CAD

FOB FCA - (Free Carrier)

9	M6061T6R0.750	6061-T6 Round Bar .750"	11/30/2015	24.00	✓	\$1.46	\$35.00
			Yes	f			
			11/30/2015				

MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

Line Total: \$35.00

10	M6061T6R1.000	ROUND BAR 1.00"	11/30/2015	12.00	✓	\$2.92	\$35.00
			Yes	f			
			11/30/2015				

MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

Line Total: \$35.00

11	M6061T6S.032	6061-T6 Sheet 0.032"	11/30/2015	144.00	3/0	\$1.92	\$276.30
			Yes	sf			
			11/30/2015				

MATERIAL: 6061-T6/T62 ALUMINUM SHEET AS PER
QQ-A-250/11 OR AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027
OR ASTM B209

PO Instructions: NO. PEC ST-869586
NO. PEC ST-870627

Note:

Sp. 15-11-27

11/24/2015



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO30542**

Purchase Order Date 11/23/2015

PO Print Date 11/24/2015

Page Number 5 of 9

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
Vendor Phone 905 669 9444

Ship To Contact
Ship To Phone
Ship Via: VENDOR'S TRUCK
Ship Acct:

Buyer Chantal Lavoie
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency CAD
FOB FCA - (Free Carrier)

12 M6061T6S.090 6061-T6 .090 Sheet 11/30/2015
Yes
11/30/2015

MATERIAL: 6061-T6/T62 ALUMINUM SHEET AS PER
QQ-A-250/11 OR AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027
OR ASTM B209

48.00 ✓
sf \$4.45 ✓ \$213.50

Line Total: \$276.30

2015-11-27

Line Total: \$213.50

13 M7075T6B1.250X2.000 7075-T6 BAR 1.250" X 11/30/2015
2.000" Yes
11/30/2015

MATERIAL: 7075-T6 OR T651/T6510/T6511/T62 ALUMINUM BAR
AS PER AMS-QQ-A-225/9 OR AMS 4122/4123/4186/4187 OR
PER AMS-QQ-A-200/11 OR QQ-A-250/12 CUT FROM PLATE

24.50 \$19.14 \$468.82
f

Line Total: \$468.82

PO Instructions: NO. PEC ST-869586
NO. PEC ST-870627

Note:

11/24/2015



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO30542

Purchase Order Date 11/23/2015

PO Print Date 11/24/2015

Page Number 6 of 9

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone 905 669 9444

Ship To Contact

Ship To Phone

Ship Via: VENDOR'S TRUCK

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax # 10127-2607

Terms Net 30

Currency CAD

FOB FCA - (Free Carrier)

14	M7075T6B1.750X04.500	7075-T6 BAR 1.750" X 4.500"	11/30/2015	6.00	\$63.73	\$382.37
			Yes	f		
			11/30/2015			

MATERIAL: 7075-T6 OR T651/T6510/T6511/T62 ALUMINUM BAR
AS PER AMS-QQ-A-225/9 OR AMS 4122/4123/4186/4187 OR
PER AMS-QQ-A-200/11 OR QQ-A-250/12 CUT FROM PLATE

Line Total: \$382.37

15	M7075T6B3.000X7.500	7075-T6 BAR 3.000" X 7.500" (order in billets)	11/30/2015	11.08	\$134.48	\$1,490.00
			Yes	f		
			11/30/2015			

MATERIAL: 7075-T6 OR T651/T6510/T6511/T62 ALUMINUM BAR
AS PER AMS-QQ-A-225/9 OR AMS 4122/4123/4186/4187 OR
PER AMS-QQ-A-200/11 OR QQ-A-250/12 CUT FROM PLATE

CUT TO SIZE: 16.625" X 8 PCS GRAIN DIRECTION ALONG 16.625"

Line Total: \$1,490.00

PO Instructions: NO. PEC ST-869586
NO. PEC ST-870627

Note:

11/24/2015



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO30542**

Purchase Order Date 11/23/2015

PO Print Date 11/24/2015

Page Number 7 of 9

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone 905 669 9444

Ship To Contact

Ship To Phone

Ship Via: VENDOR'S TRUCK

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax # 10127-2607

Terms

Net 30

Currency

CAD

FOB

FCA - (Free Carrier)

16	M7075T6B6.000X0.250	7075-T6 BAR 6.000" X 0.250"	11/30/2015	14.27	\$18.39	\$262.50
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Yes

f

11/30/2015

MATERIAL: 7075-T6 OR T651/T6510/T6511/T62 ALUMINUM BAR
AS PER AMS-QQ-A-225/9 OR AMS 4122/4123/4186/4187 OR
PER AMS-QQ-A-200/11 OR QQ-A-250/12 CUT FROM PLATE

Line Total: \$262.50

17	M6061T6B30000X01.500	6061-T6 Bar 3.00 x 1.50	11/30/2015
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Yes

11/30/2015

MATERIAL: 7075-T6 OR T651/T6510/T6511/T62 ALUMINUM BAR
AS PER AMS-QQ-A-225/9 OR AMS 4122/4123/4186/4187 OR
PER AMS-QQ-A-200/11 OR QQ-A-250/12 CUT FROM PLATE

12.00

f

\$11.81

\$141.75

Line Total: \$141.75

18	M6061T6B1.000X02.000	6061-T6 Bar 1.00 x 2.00	11/30/2015
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Yes

11/30/2015

MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

12.00

f

\$5.92

\$71.05

PO Instructions: NO. PEC ST-869586
NO. PEC ST-870627

Note:

11/24/2015



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO30542**

Purchase Order Date 11/23/2015

PO Print Date 11/24/2015

Page Number 8 of 9

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
Vendor Phone 905 669 9444

Ship To Contact
Ship To Phone
Ship Via: VENDOR'S TRUCK
Ship Acct:

Buyer Chantal Lavoie
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency CAD
FOB FCA – (Free Carrier)

Line Total: \$71.05

19 M6061T6R3.000 6061-T6 RD BAR 3.000" 11/30/2015 FN
Yes
11/30/2015

12.00 ✓
f \$19.50 \$234.00

MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

NOTE: PLEASE CUT IN HALF 2 SECTION OF 6 FT

Line Total: \$234.00

20 71401-45 PROCURMENT QUALITY CLAUSES 11/30/2015

1.00 ✓ \$0.00 \$0.00

No
11/30/2015

Procurement Quality Clauses
A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)
A026 certification of material conformance
A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

2015-11-27

PO Instructions: NO. PEC ST-869586
NO. PEC ST-870627

Note:

11/24/2015



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO30542**

Purchase Order Date 11/23/2015

PO Print Date 11/24/2015

Page Number 9 of 9

Order From :

VC-COP001

THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone

905 669 9444

Ship To Contact

Ship To Phone

Ship Via:

Ship Acct:

VENDOR'S TRUCK

Buyer

Customer POID

Customer Tax #

Terms

Currency

FOB

Chantal Lavoie

10127-2607

Net 30

CAD

FCA - (Free Carrier)

Line Total: \$0.00

PO Total: \$4,809.34

PO Instructions: NO. PEC ST-869586
NO. PEC ST-870627

Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Change Nbr:

6

Change Date:

11/24/2015